

Abstract

A closure member for a tubing hanger which is suspended in a tubing spool and which comprises an elongated body having an annulus bore that  
5 extends generally longitudinally therethrough, the annulus bore comprising at least a first branch which is in fluid communication with a second branch. The closure member comprises a gate cavity which is in fluid communication with both the first branch and the second branch, a gate which is movably positioned in the gate cavity and which includes a first flow port that is connected to a  
10 second flow port, and an actuator for moving the gate between an open position, in which the first flow port is aligned with the first branch and the second flow port is in fluid communication with the second branch, and a closed position, in which the first flow port is offset from the first branch, wherein the actuator is disposed at least partially within a conduit that extends generally axially through the tubing  
15 hanger.